

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 9, 2002, 00:54:09 ; Search time 319.49 Seconds
(without alignments)
16.304 Million cell updates/sec

Title: US-09-851-670-15
Perfect score: 23
Sequence: 1 aacgtgctgcctccagagaca 23

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 515962

Minimum DB seq length: 0
Maximum DB seq length: 60

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
1: Issued_Patents_NA:*
2: /cgn2_6/prodata/2/lna/5A.COMB.seq:*
3: /cgn2_6/prodata/2/lna/5B.COMB.seq:*
4: /cgn2_6/prodata/2/lna/6A.COMB.seq:*
5: /cgn2_6/prodata/2/lna/6B.COMB.seq:*
6: /cgn2_6/prodata/2/lna/backfile1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	13	56.5	57	1	US-08-484-192-168 Sequence 168, App
2	12.6	54.8	52	2	US-08-650-598-11 Sequence 11, Appl
3	12.6	54.8	60	3	US-09-023-228B-29 Sequence 29, Appl
4	12.4	53.9	23	4	US-08-943-731-259 Sequence 259, App
5	12.4	53.9	27	2	US-08-766-439-63 Sequence 63, Appl
6	12.4	53.9	37	5	PCT-US94-10617-7 Sequence 7, Appl
7	12.4	53.9	43	2	US-08-997-080-81 Sequence 81, Appl
8	12.4	53.9	43	2	US-08-997-362-81 Sequence 81, Appl
9	12.4	53.9	43	3	US-08-873-970-81 Sequence 81, Appl
10	12.4	53.9	43	4	US-09-095-855-81 Sequence 81, Appl
11	12.4	53.9	44	1	US-08-096-762-209 Sequence 209, App
12	12.4	53.9	44	4	US-09-042-353-323 Sequence 323, App
13	12.4	53.9	44	4	US-08-758-417A-171 Sequence 171, App
14	12.2	53.0	19	1	US-08-486-408-7 Sequence 7, Appl
15	12.2	53.0	19	2	US-08-975-570-7 Sequence 7, Appl
16	12.2	53.0	21	3	US-08-873-437-29 Sequence 29, Appl
17	12.2	53.0	42	2	US-08-343-443B-51 Sequence 51, Appl
18	12.2	53.0	49	1	US-08-207-481-18 Sequence 18, Appl
19	12.2	53.0	49	5	PCT-US95-02689-18 Sequence 18, Appl
20	12.2	53.0	59	2	US-07-662-764D-28 Sequence 28, Appl
21	12.2	52.2	41	1	US-08-231-342-16 Sequence 16, Appl
22	12.2	52.2	46	1	US-08-096-762-207 Sequence 207, App
23	12.2	52.2	46	4	US-09-042-353-321 Sequence 321, App
24	12.2	52.2	46	4	US-08-758-417A-169 Sequence 169, App
25	12.2	52.2	52	2	US-08-842-842-1 Sequence 30, Appl
26	12.2	52.2	59	3	US-09-046-247-30 Sequence 30, Appl
27	11.8	51.3	20	4	US-09-224-505-17 Sequence 17, Appl

ALIGNMENTS

28	11.8	51.3	20	4	US-09-224-505-18 Sequence 18, Appl
29	11.8	51.3	21	1	US-08-451-777A-23 Sequence 23, Appl
30	11.8	51.3	21	1	US-08-451-777A-25 Sequence 25, Appl
31	11.8	51.3	21	1	US-08-451-777A-26 Sequence 26, Appl
32	11.8	51.3	21	2	US-08-451-778A-23 Sequence 23, Appl
33	11.8	51.3	21	2	US-08-451-778A-25 Sequence 25, Appl
34	11.8	51.3	21	2	US-08-451-778A-26 Sequence 26, Appl
35	11.8	51.3	21	2	US-08-998-208-23 Sequence 23, Appl
36	11.8	51.3	21	2	US-08-998-208-25 Sequence 25, Appl
37	11.8	51.3	21	2	US-08-998-208-26 Sequence 26, Appl
38	11.8	51.3	21	5	PCT-US95-06743-23 Sequence 23, Appl
39	11.8	51.3	21	5	PCT-US95-06743-25 Sequence 25, Appl
40	11.8	51.3	21	5	PCT-US95-06743-26 Sequence 26, Appl
41	11.8	51.3	30	2	US-08-808-550-19 Sequence 19, Appl
42	11.8	51.3	33	5	PCT-US94-09653A-23 Sequence 23, Appl
43	11.8	51.3	40	1	US-08-443-957-24 Sequence 24, Appl
44	11.8	51.3	44	1	US-07-832-905B-77 Sequence 77, Appl
45	11.8	51.3	44	1	US-07-832-905B-82 Sequence 82, Appl

RESULT 1	US-08-484-192-168
Sequence 168, Application	US/08484192
Patent No.	5756291
GENERAL INFORMATION:	
APPLICANT:	GRIFFIN, LINDA C.
APPLICANT:	ALBRECHT, GLENN
APPLICANT:	LATHAM, JOHN
APPLICANT:	LEUNG, LAWRENCE
APPLICANT:	VERMAAS, ERIC
APPLICANT:	TOOLE, JOHN J.
TITLE OF INVENTION:	APTAMERS SPECIFIC FOR BIOMOLECULES AND
TITLE OF INVENTION:	METHODS OF MAKING
NUMBER OF SEQUENCES:	181
CORRESPONDENCE ADDRESS:	
ADDRESSEE:	MORRISON & FOERSTER
STREET:	755 PAGE MILL ROAD
CITY:	PALO ALTO
STATE:	CALIFORNIA
COUNTRY:	USA
ZIP:	94304
COMPUTER READABLE FORM:	
MEDIUM TYPE:	Floppy disk
COMPUTER:	IBM PC compatible
OPERATING SYSTEM:	PC-DOS/MS-DOS
SOFTWARE:	PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:	
APPLICATION NUMBER:	US/08/484,192
FILING DATE:	
CLASSIFICATION:	435
PRIOR APPLICATION DATA:	
APPLICATION NUMBER:	US 07/934,387
FILING DATE:	21-AUG-1992
ATTORNEY/AGENT INFORMATION:	
NAME:	GRACEY, NANCY J.
REGISTRATION NUMBER:	28,216
REFERENCE/DOCKET NUMBER:	246102002221
TELECOMMUNICATION INFORMATION:	
TELEPHONE:	415-813-5600
TELEFAX:	415-494-0792
TELEX:	706141
INFORMATION FOR SEQ ID NO:	168:
SEQUENCE CHARACTERISTICS:	
LENGTH:	57 base pairs
TYPE:	nucleic acid
STRANDEDNESS:	single
TOPOLOGY:	linear
FEATURE:	
NAME/KEY:	misc difference
LOCATION:	replace(1,"")

OTHER INFORMATION: /note= "this position is G/N."
FEATURE:
NAME/KEY: misc.difference
LOCATION: replace(2, "")
OTHER INFORMATION: /note= "this position is G/N."
FEATURE:
NAME/KEY: misc.difference
LOCATION: replace(7, "")
OTHER INFORMATION: /note= "this position is G/N."
FEATURE:
NAME/KEY: misc.difference
LOCATION: replace(8, "")
OTHER INFORMATION: /note= "this position is G/N."
US-08-484-192-168

Query Match 56.5%; Score 13; DB 1; Length 57;
Best Local Similarity 76.2%; Pred. No. 7.6e+02;
Matches 16; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

OY 3 cgtgtcgcgtccctcagaca 23
Db 9 CGATGCGGTGCTGCACAGAGA 29

RESULT 2
US-08-650-598-11/c
Sequence 11, Application US/08650598
Patent No. 5877020
GENERAL INFORMATION:
APPLICANT: Alltalo, Karl
TITLE OF INVENTION: Promoter of the Receptor Tyrosine Kinase, TIE
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-6402
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/650, 598
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/310, 717
FILING DATE: 22-SEP-1994
ATTORNEY/AGENT INFORMATION:
NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
REFERENCE/DOCKET NUMBER: 28113/33245
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
TELEX: 25-3856
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 52 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-650-598-11

Query Match 54.8%; Score 12.6; DB 2; Length 52;
Best Local Similarity 78.9%; Pred. No. 1.2e+03;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

OY 1 aacgtgtcgcgtccctcaga 19
Db 29 AAGTGAGCTGCTCCACAGAGA 11

RESULT 3
US-09-023-228B-29
Sequence 29, Application US/09023228B
Patent No. 6140490
GENERAL INFORMATION:
APPLICANT: BIEBECKER, GREGORY
APPLICANT: GOLD, LARRY
TITLE OF INVENTION: HIGH AFFINITY NUCLEIC ACID LIGANDS OF
NUMBER OF SEQUENCES: 157
CORRESPONDENCE ADDRESS:
ADDRESSEE: Swanson & Bratschun, L.L.C.
STREET: 8400 E. Prentice Place #200
CITY: Denver
STATE: Colorado
COUNTRY: US
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Wordperfect 8.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/023, 228B
FILING DATE: 12-FEBRUARY-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/01739
FILING DATE: 30 JAN 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/595, 335
FILING DATE: 1 FEB 1996
ATTORNEY/AGENT INFORMATION:
NAME: Barry J. Swanson, Esq.
REGISTRATION NUMBER: 33,215
REFERENCE/DOCKET NUMBER: NEX50/CIP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (303) 793-3333
TELEFAX: (303) 793-3433
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 60 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: RNA
FEATURE:
OTHER INFORMATION: All pyrimidines are 2'-F modified
US-09-023-228B-29

Query Match 54.8%; Score 12.6; DB 3; Length 60;
Best Local Similarity 57.9%; Pred. No. 1.2e+03;
Matches 11; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

OY 1 aacgtgtcgcgtccctcaga 19
Db 30 AACUUUUCGCGUCGUCAGAGA 48

RESULT 4
US-08-943-731-259/c
Sequence 259, Application US/08943731
Patent No. 6265157
GENERAL INFORMATION:
APPLICANT: PROCKOP, DARWIN J.
APPLICANT: SPORITIA, LORETTA D.
APPLICANT: DELTAS, CONSTANTINOS D.

```

APPLICANT: SEREDA, LARISA
APPLICANT: LARSON, ANDREA W.
APPLICANT: PACK, MICHAEL
APPLICANT: COLLIGE, ALAIN
APPLICANT: EARLY, JAMES
APPLICANT: KORRKO, JARMO
APPLICANT: ALA-KORRKO, LEENA, et al.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DETECTING
TITLE OF INVENTION: ALTERED TYPE I OR TYPE IX COLLAGEN GENE SEQUENCES
NUMBER OF SEQUENCES: 666
CORRESPONDENCE ADDRESS:
ADDRESSEE: PANITCH SCHWARZE JACOBS & NADEL, P.C.
STREET: ONE COMMERCE SQUARE, 2005 MARKET STREET, 22ND
STREET: FLR
CITY: PHILADELPHIA
STATE: PA
COUNTRY: USA
ZIP: 19103-7086
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/943,731
FILING DATE: 03-OCT-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/212,322
FILING DATE: 14-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/803,628
FILING DATE: 03-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: DOYLE LEARY Ph.D., KATHRYN
REGISTRATION NUMBER: 36,317
REFERENCE/DOCKET NUMBER: 9598-27
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-965-1284
TELEFAX: 215-567-2991
TELEX: 831-494
INFORMATION FOR SEQ. ID NO: 259:
SEQUENCE CHARACTERISTICS:
LENGTH: 23 base pairs
type: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-08-943-731-259

```

```

Query Match          53.9%; Score 12.4; DB 4; Length 23;
Best Local Similarity 72.7%; Pred. No. 1.4e+03;
Matches 16; Conservative 0; Mismatches 6; Indels 0; Gaps 0.

QY      1 aacgtgtgcggtcctccagagac 22
          | | | | | | | | | | | |
Db      22 ATCTGTGCGCAGCCTCAGAGCC 1

RESULT 5
US-08-766-439-63
: Sequence 63, Application US/08766439
: Patent No. 5922538
: GENERAL INFORMATION:
: APPLICANT: HAZEL, JAMES WILLIAM
: APPLICANT: JENSEN, MARK ANTON
: TITLE OF INVENTION: GENETIC MARKERS AND METHODS FOR
: TITLE OF INVENTION: THE DETECTION OF LISTERIA
: TITLE OF INVENTION: MONOCYTOGENES AND LISTERIA SPP.
: NUMBER OF SEQUENCES: 110
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: E. I. DU PONT DE NEMOURS AND COMPANY
:

```

```

1 STREET: 1007 MARKET STREET
2 CITY: WILMINGTON
3 STATE: DELAWARE
4 COUNTRY: U.S.A.
5 ZIP: 19898
6 COMPUTER READABLE FORM:
7 MEDIUM TYPE: 3.50 INCH DISKETTE
8 COMPUTER: IBM PC COMPATIBLE
9 OPERATING SYSTEM: MICROSOFT WINDOWS 3.1
10 SOFTWARE: MICROSOFT WORD 2.0C
11 CURRENT APPLICATION DATA:
12 APPLICATION NUMBER: US/08/766,439
13 FILING DATE:
14 CLASSIFICATION: 435
15 PRIOR APPLICATION DATA:
16 APPLICATION NUMBER: 08/745,228
17 FILING DATE: NOVEMBER 8, 1996
18 ATTORNEY/AGENT INFORMATION:
19 NAME: FLOYD, LINDA AXAMETHY
20 REGISTRATION NUMBER: 33,692
21 REFERENCE/DOCKET NUMBER: MD-1065-A
22 TELECOMMUNICATION INFORMATION:
23 TELEPHONE: 302-892-8112
24 TELEFAX: 302-773-0164
25 INFORMATION FOR SEQ ID NO: 63:
26 SEQUENCE CHARACTERISTICS:
27 LENGTH: 27 base pairs
28 TYPE: nucleic acid
29 STRANDEDNESS: single
30 TOPOLOGY: linear
31 MOLECULE TYPE: DNA (genomic)
32 US-08-766-439-63

```

```

Query Match          53.9%;   Score 12.4;  DB 2;   Length 27;
Best Local Similarity 92.9%;   Pred. No. 1.4e+03;
Matches 13;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;

OY      5  ttgtcgagctcctcag 18
        |||||||
Db      14  TGTGCGGTCCTCGG 27

RESULT 6
PCT-US94-10617-7/c
Sequence 7, Application PC/TUS9410617
GENERAL INFORMATION:
APPLICANT: Bockman, Jeffrey M.
APPLICANT: Drivas, George T.
APPLICANT: Rush, Mark G.
APPLICANT: Shih, Andy
TITLE OF INVENTION: Rhozyme-Based Compositions for the Modification
TITLE OF INVENTION: of Cutaneous Phenotypes associated with Aging
TITLE OF INVENTION: and Other Conditions of the Skin and Hair
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: Andy Shih
STREET: 30 Chestnut Drive
CITY: Hastings-On-Hudson
STATE: New York
COUNTRY: USA
ZIP: 10706
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/10617
FILING DATE: 15-SEP-1994
CLASSIFICATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-478-1911

```

TELEFAX: 212-750-3977
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: RNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
IMMEDIATE SOURCE:
CLONE: TC4R21
PCT-US94-10617-7

Query Match 53.9%; Score 12.4; DB 5; Length 37;
Best Local Similarity 72.7%; Pred. No. 1.4e+03;
Matches 16; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 aacgtgtcgcgtctcctcagagac 22
DB 37 AACCTGTTCGCTCCTCAGCGAC 16

RESULT 7

US-08-997-080-81/c
Sequence 81, Application US/08997080
Patent No. 5968524
GENERAL INFORMATION:
APPLICANT: WATSON, JAMES D.
APPLICANT: TAN, PAUL L.J.
TITLE OF INVENTION: METHODS AND COMPOUNDS FOR THE TREATMENT OF IMMUNOLOGICALLY-
CORRESPONDENCE ADDRESSES: 194
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/997,080
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Sleath, Janet
REGISTRATION NUMBER: 37,007
REFERENCE/DOCKET NUMBER: 11000.1007
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-269-0565
TELEFAX: 206-269-0563
TELEX:
INFORMATION FOR SEQ ID NO: 81:
SEQUENCE CHARACTERISTICS:
LENGTH: 43 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other
US-08-997-080-81

Query Match 53.9%; Score 12.4; DB 2; Length 43;
Best Local Similarity 72.7%; Pred. No. 1.5e+03;
Matches 16; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2 acgtgtcgcgtctcctcagagaca 23
DB 24 ACGCTTTCGCTCCTCAGCGTCA 3

RESULT 8

US-08-997-362-81/c
Sequence 81, Application US/08997362
Patent No. 5965287
GENERAL INFORMATION:
APPLICANT: Tan, Paul
APPLICANT: Hiyaama, Jun
APPLICANT: Visser, Elizabeth
APPLICANT: Skinner, Margot.
APPLICANT: Scott, Linda
APPLICANT: Prestidge, Ross
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR
TREATMENT AND DIAGNOSIS OF MYCOBACTERIAL INFECTIONS
NUMBER OF SEQUENCES: 194
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Law Offices of Ann W. Speckman
STREET: 2601 Elliott Avenue, Suite 4185
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98121
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/997,362
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.S. Patent Application No. 5965287 08/873,970
FILING DATE: June 12, 1997
APPLICATION NUMBER: U.S. Patent Application No. 5965287 08/705,347
FILING DATE: August 29, 1996
ATTORNEY/AGENT INFORMATION:
NAME: Sleath, Janet
REGISTRATION NUMBER: 37,007
REFERENCE/DOCKET NUMBER: 11000.1002c2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-269-0565
TELEFAX: 206-269-0563
TELEX:
INFORMATION FOR SEQ ID NO: 81:
SEQUENCE CHARACTERISTICS:
LENGTH: 43 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Other
US-08-997-362-81

Query Match 53.9%; Score 12.4; DB 2; Length 43;
Best Local Similarity 72.7%; Pred. No. 1.5e+03;
Matches 16; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 2 acgtgtcgcgtctcctcagagaca 23
DB 24 ACGCTTTCGCTCCTCAGCGTCA 3

RESULT 9

US-08-873-970-81/c
Sequence 81, Application US/08873970
Patent No. 6001361
GENERAL INFORMATION:

```

1  APPLICANT: Tan, Paul
2  APPLICANT: Hiyma, Jun
3  APPLICANT: Visser, Elizabeth
4  APPLICANT: Skinner, Margot
5  APPLICANT: Scott, Linda
6  APPLICANT: Prestidge, Ross
7  TITLE OF INVENTION: COMPOUNDS AND METHODS FOR
8  TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF MYCOBACTERIAL INFECTIONS
9  NUMBER OF SEQUENCES: 106
10 CORRESPONDENCE ADDRESS:
11 ADDRESSEE: Law Offices of Ann W. Speckman
12 STREET: 2601 Elliott Avenue, Suite 4185
13 CITY: Seattle
14 STATE: WA
15 COUNTRY: USA
16
17 ZIP: 98121
18 COMPUTER READABLE FORM:
19 MEDIUM TYPE: Diskette
20 COMPUTER: IBM Compatible
21 OPERATING SYSTEM: DOS
22 SOFTWARE: FASTSEQ for Windows Version 2.0
23 CURRENT APPLICATION DATA:
24 APPLICATION NUMBER: US/08/873,970
25 FILING DATE:
26 CLASSIFICATION: 435
27 PRIOR APPLICATION DATA:
28 APPLICATION NUMBER: 08/705,347
29 FILING DATE: 29-AUG-1996
30 ATTORNEY/AGENT INFORMATION:
31 NAME: Sleath, Janet
32 REGISTRATION NUMBER: 37,007
33 REFERENCE/DOCKET NUMBER: 11000.1002C1
34 TELECOMMUNICATION INFORMATION:
35 TELEPHONE: 206-269-0565
36 TELEFAX: 206-269-0563
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
96
```

```

1 ZIP: 98121
2 COMPUTER READABLE FORM:
3 MEDIUM TYPE: Diskette
4 COMPUTER: IBM Compatible
5 OPERATING SYSTEM: DOS
6 SOFTWARE: FastSeq for Windows Version 2.0
7 CURRENT APPLICATION DATA:
8 APPLICATION NUMBER: US/09/095,855
9 FILING DATE:
10 CLASSIFICATION:
11 PRIOR APPLICATION DATA:
12 APPLICATION NUMBER: 08/705,347
13 FILING DATE: 29-AUG-1996
14 APPLICATION NUMBER: 08/873,970
15 FILING DATE: 12-JUN-1997
16 APPLICATION NUMBER: 08/997,362
17 FILING DATE: 23-DEC-1997
18 ATTORNEY/AGENT INFORMATION:
19 NAME: Sleath, Janet
20 REGISTRATION NUMBER: 37,007
21 REFERENCE/DOCKET NUMBER: 11000.1002c3
22 TELECOMMUNICATION INFORMATION:
23 TELEPHONE: 206-269-0565
24 TELEFAX: 206-269-0563
25 TELEX:
26 INFORMATION FOR SEQ ID NO: 81:
27 SEQUENCE CHARACTERISTICS:
28 LENGTH: 43 base pairs
29 TYPE: nucleic acid
30 STRANDEDNESS: single
31 TOPOLOGY: linear
32 MOLECULE TYPE: Other
33 US-09-095-855-81
34
35 Query Match 53.9%; Score 12.4; DB 4; Length 43;
36 Best Local Similarity 72.7%; Pred. No. 1.5e+03;
37 Matches 16; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
38
39 Oy 2 acgtgtcgcttcctcagacaca 23
40 ||| ||| ||| ||| ||| |||
41 Db 24 AGGCTTGGCTCTCAGCGCTCA 3
42
43 RESULT 11
44 US-08-096-762-209
45 Sequence 209 Application US/08096762
46 Patent No. 3814318
47 GENERAL INFORMATION:
48 APPLICANT: Lonberg, Nils
49 APPLICANT: Kay, Robert M.
50 TITLE OF INVENTION: Transgenic No. 5814318-Human Animals for
51 TITLE OF INVENTION: Producing Heterologous Antibodies
52 NUMBER OF SEQUENCES: 210
53 CORRESPONDENCE ADDRESS:
54 ADDRESSEE: Townsend and Townsend Kourlie and Crew
55 STREET: One Market Plaza, Steuart Tower, Suite 200
56 CITY: San Francisco
57 STATE: California
58 COUNTRY: USA
59 ZIP: 94105
60 COMPUTER READABLE FORM:
61 MEDIUM TYPE: Floppy disk
62 COMPUTER: IBM PC compatible
63 OPERATING SYSTEM: PC-DOS/MS-DOS
64 SOFTWARE: Patentin Release #1.0, Version #1.25
65 CURRENT APPLICATION DATA:
66 APPLICATION NUMBER: US/08/096,762
67 FILING DATE: 22-JUL-1993
68 CLASSIFICATION: 800
69 PRIOR APPLICATION DATA:
70 APPLICATION NUMBER: US 08/053,131
71 FILING DATE: 26-APR-1993
72

```

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/904,068
FILING DATE: 23-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/853,408
FILING DATE: 18-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/810,279
FILING DATE: 17-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 14643-9-4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 209:
SEQUENCE CHARACTERISTICS:
LENGTH: 44 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
US-08-096-762-209

Query Match 53.9%; Score 12.4; DB 1; Length 44;
Best Local Similarity 92.9%; Pred. No. 1.5e+03;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 10 ggtccctcagagaca 23
|||||
DB 3 ggtccctcagagaca 16

RESULT 12
US-09-042-353-323
Sequence 323, Application US/09042353
Patent No. 6255458
GENERAL INFORMATION:
APPLICANT: Lonberg, Nils
APPLICANT: Kay, Robert M.
TITLE OF INVENTION: Transgenic No. 6255458-Human Animals for
TITLE OF INVENTION: Producing Heterologous Antibodies
NUMBER OF SEQUENCES: 421
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,353
FILING DATE: 13-MAR-1998
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/810,279
FILING DATE: 17-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/853,408
FILING DATE: 18-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/904,068
FILING DATE: 23-JUN-1992

FILING DATE: 23-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/990,860
FILING DATE: 16-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/053,131
FILING DATE: 26-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/096,762
FILING DATE: 22-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/155,301
FILING DATE: 18-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/161,739
FILING DATE: 03-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/165,659
FILING DATE: 10-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/209,741
FILING DATE: 09-MAR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/352,322
FILING DATE: 07-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/544,404
FILING DATE: 10-OCT-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/728,463
FILING DATE: 10-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: MO PCT/US96/16433
FILING DATE: 10-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/758,417
FILING DATE: 02-DEC-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: MO PCT/US97/21803
FILING DATE: 01-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Apple, Randolph T.
REGISTRATION NUMBER: 36,429
REFERENCE/DOCKET NUMBER: 014643-00904005
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 323:
SEQUENCE CHARACTERISTICS:
LENGTH: 44 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
US-09-042-353-323

Query Match 53.9%; Score 12.4; DB 4; Length 44;
Best Local Similarity 92.9%; Pred. No. 1.5e+03;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

OY 10 ggtccctcagagaca 23
|||||
DB 3 ggtccctcagagaca 16

RESULT 13
US-08-758-417A-171
Sequence 171, Application US/08758417A
Patent No. 6300129
GENERAL INFORMATION:
APPLICANT: Lonberg, Nils
APPLICANT: Kay, Robert M.

```

: TITLE OF INVENTION: Transgenic No. 6300129-Human Animals for
: Producing Heterologous Antibodies
:
: NUMBER OF SEQUENCES: 417
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Townsend and Townsend and Crew LLP
: STREET: Two Embarcadero Center, Eighth Floor
: CITY: San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94111-3834
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.30
:
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/758,417A
: FILING DATE: 02-Dec-1996
: CLASSIFICATION: <Unknown>
:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/728,463
: FILING DATE: 10-OCT-1996
: APPLICATION NUMBER: US 08/544,404
: FILING DATE: 10-OCT-1995
: APPLICATION NUMBER: US 08/352,322
: FILING DATE: 07-DEC-1994
: APPLICATION NUMBER: US 08/209,741
: FILING DATE: 09-MAR-1994
: APPLICATION NUMBER: US 08/165,699
: FILING DATE: 10-DEC-1993
: APPLICATION NUMBER: US 08/161,739
: FILING DATE: 03-DEC-1993
: APPLICATION NUMBER: US 08/155,301
: FILING DATE: 18-NOV-1993
: APPLICATION NUMBER: US 08/096,762
: FILING DATE: 22-JUL-1993
: APPLICATION NUMBER: US 08/053,131
: FILING DATE: 26-APR-1993
: APPLICATION NUMBER: US 07/990,860
: FILING DATE: 16-DEC-1992
:
: ATTORNEY/AGENT INFORMATION:
: NAME: Serafini, Andrew T.
: REGISTRATION NUMBER: 41,303
: REFERENCE/DOCKET NUMBER: 014643-009030US
:
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (415) 576-0200
: TELEFAX: (415) 576-0300
:
: INFORMATION FOR SEQ ID NO: 171:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 44 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA
: SEQUENCE DESCRIPTION: SEQ ID NO: 171:
US-08-758-417A-171

Query Match      53.9%  Score 12.4;  DB 4;  Length 44;
Best Local Similarity 92.9%  Pred. No. 1.5e+03;
Matches 13;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;

QY      10  ggtcctcagagaca 23
Db      3  ggtcctcagagaca 16

RESULT 14
US-08-486-408-7/c
: Sequence 7, Application US/08486408
: Patent No. 5716846
: GENERAL INFORMATION:
: APPLICANT: Brown, Steven Joel

```

```

: APPLICANT: Datta Gupta, Nanibhushan
: APPLICANT: Naidu, Yathi M.
: TITLE OF INVENTION: METHOD FOR INHIBITING CELLULAR
: POLYMERIZATION USING ANTISENSE OLIGONUCLEOTIDES TO INTER
: TITLE OF INVENTION: mRNA
: NUMBER OF SEQUENCES: 19
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Gen-Probe Incorporated
: STREET: 9880 Campus Point Drive
: CITY: San Diego
: STATE: CA
: COUNTRY: USA
: ZIP: 92121
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: OPERATING SYSTEM: DOS
: SOFTWARE: FastSeq Version 1.5
:
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/486,408
: FILING DATE: 07-JUN-1995
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
:
: ATTORNEY/AGENT INFORMATION:
: NAME: Fisher, Carlos A
: REGISTRATION NUMBER: 36,510
: REFERENCE/DOCKET NUMBER: CB1009
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 619-535-2807
: TELEFAX: 619-546-7929
:
: INFORMATION FOR SEQ ID NO: 7:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 19 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: US-08-486-408-7

Query Match      53.0%  Score 12.2;  DB 1;  Length 19;
Best Local Similarity 82.4%  Pred. No. 1.7e+03;
Matches 14;  Conservative 0;  Mismatches 3;  Indels 0;  Gaps 0;

QY      4  ggtgctgctcctcagag 20
Db      18  ggtgctgctcctcagag 2

RESULT 15
US-08-975-570-7/c
: Sequence 7, Application US/08975570
: Patent No. 5945336
: GENERAL INFORMATION:
: APPLICANT: Brown, Steven Joel
: APPLICANT: Datta Gupta, Nanibhushan
: APPLICANT: Naidu, Yathi M.
: TITLE OF INVENTION: METHOD FOR INHIBITING CELLULAR
: POLYMERIZATION USING ANTISENSE OLIGONUCLEOTIDES TO INTER
: TITLE OF INVENTION: mRNA
: NUMBER OF SEQUENCES: 19
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Gen-Probe Incorporated
: STREET: 9880 Campus Point Drive
: CITY: San Diego
: STATE: CA
: COUNTRY: USA
: ZIP: 92121
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: OPERATING SYSTEM: DOS
: SOFTWARE: FastSeq Version 1.5
:
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/486,408
: FILING DATE: 07-JUN-1995
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
:
: ATTORNEY/AGENT INFORMATION:
: NAME: Fisher, Carlos A
: REGISTRATION NUMBER: 36,510
: REFERENCE/DOCKET NUMBER: CB1009
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 619-535-2807
: TELEFAX: 619-546-7929
:
: INFORMATION FOR SEQ ID NO: 7:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 19 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: US-08-486-408-7

```

Mon Mar 11 07:46:28 2002

us-09-851-670-15.rni

Page 8

```

1 OPERATING SYSTEM: DOS
2 SOFTWARE: FASTSEQ Version 1.5
3 CURRENT APPLICATION DATA:
4 APPLICATION NUMBER: US/08/975,570
5 FILING DATE:
6 CLASSIFICATION: 435
7 PRIOR APPLICATION DATA:
8 APPLICATION NUMBER: 08/486,408
9 FILING DATE: 07-JUN-1995
10 ATTORNEY/AGENT INFORMATION:
11 NAME: Fisher, Carlos A
12 REGISTRATION NUMBER: 36,510
13 REFERENCE/DOCKET NUMBER: CBI009
14 TELECOMMUNICATION INFORMATION:
15 TELEPHONE: 619-535-2807
16 TELEFAX: 619-546-7929
17
18 TELEX:
19
20 INFORMATION FOR SEQ ID NO: 7:
21 SEQUENCE CHARACTERISTICS:
22 LENGTH: 19 base pairs
23 TYPE: nucleic acid
24 STRANDEDNESS: single
25 TOPOLOGY: linear
26
27 US-08-975-570-7

```

Query Match	53.0%	Score 12.2	DB 2	Length 19
Best Local Similarity	82.4%	Pred. No. 1.7e+03		
Matches 11; Conservative	0;	Mismatches 5;	Indels 0;	Gaps 0;
Oy	4	gtgtgaggtccttcagag	20	
Db	18	GAGTGGGCTCCCTCGAG	2	

```
Search completed: March  9, 2002, 00:54:10
Job time: 11361 sec
```